

Iowa Department of Natural Resources Title V Operating Permit

Name of Permitted Facility:	Ag Processing Inc
Facility Location:	2753 Port Neal Circle Sergeant Bluff, IA 51054
Air Quality Operating Permit Number:	99-TV-004
Expiration Date:	February 11, 2004

EQ Number: 92-0053
Facility File Number: 97-04-005

Responsible Official

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This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

Douglas A. Campbell, Supervisor of Air Operating Permits Section

Date

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Abbreviation

acfm.....	actual cubic feet per minute
CFR.....	Code of Federal Regulation
°F.....	degrees Fahrenheit
EIQ.....	emissions inventory questionnaire
gr./dscf.....	grains per dry standard cubic foot
gr./100 cf.....	grains per one hundred cubic feet
IAC.....	Iowa Administrative Code
IDNR.....	Iowa Department of Natural Resources
MVAC.....	motor vehicle air conditioner
NSPS.....	new source performance standard
ppmv.....	parts per million by volume
lb./hr	pounds per hour
lb./MMBtu.....	pounds per million British thermal units
TPY.....	Tons per year
USEPA.....	United States Environmental Protection Agency

Pollutants

PM.....	particulate matter (equivalent to TSP, total suspended particulate)
PM ₁₀	Particulate matter ten microns and less in diameter
SO ₂	sulfur dioxide
NO _x	nitrogen oxides
VOC.....	volatile organic compound
CO.....	carbon monoxide
HAP.....	hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: Ag Processing Inc

Permit Number: **99-TV-004**

Facility Description: Soybean Extraction Plant

Equipment List

Emission Point Number	Associated Emission Unit(s) Number (s)	Associated Emission Unit Description
1	1	South Truck Receiving
1	2	Center Truck Receiving
1	3	Rail & North Truck Receiving
1	79	Soybean Pod Grinder
2	4	Grain Dryer
3	5	Grain Storage
3	6	Scalper
3	7	Tripper
4	8	Pellet Receiving
5	9	Annex Reclaim
6	10	Flat Storage
8	12	Bin 39
9	13	Bin 40
10	14	Bin 41
11	15	Bin 44
12	16	Bin 45
13	17	Bin 46
15	19	Elevator Dirt
15	20	Cracker
15	21	West Primary Dehulling
15	22	Middle Primary Dehulling
15	23	East Primary Dehulling
15	24	East Secondary Dehulling
15	25	West Secondary Dehulling
15	26	Secondary Hood Dehulling
15	80	Soybean Pod Conveyor
16	27	Primary Over Dehulling
16	28	Hull Grinding
16	29	Hull Receiving

Emission Point Number	Associated Emission Unit(s) Number (s)	Associated Emission Unit Description
16	19	Elevator Dirt
17	30	Flaker Mill
18	31	Bean Conditioning
19	32	Raw Flake
20	33	Expander
21	34	Toaster
23	36	Pellet Cooler
24	37	Meal Grinder
27	40	Meal Loadout
27	41	Meal Loadout
28	42	Hull Receiving
28	43	Hull Receiving Flowability
29	44	Meal Bin 5
30	45	Meal Bin 6
31	46	Meal Bin 7
32	47	Meal Bin 8
33	48	Meal Bin 9
34	49	Meal Bin 10
35	50	Meal Bin 11
37	52	Meal Bin 13
39	54	Meal Loadout Reclaim
40	55	Truck Loadout
41	56	Rail Loadout
42	57	Barge Loadout
43	58	Soybean Extraction
44	59	Cleaver Brooks Boiler
45	60	Babcock & Wilcox Boiler
46	61	Bin 42B
47	62	Bin 43B
48	63	Bin 42A
49	64	Bin 43A
50	65	Fire Pump
54	69	Methanol Storage Tank
55	70	Catalyst Storage Tank
56	71	Methanol Recovery Still
57	72	Soy Pass Dryer/Cooler
58	73	Soy Pass Blower (Storage Bins 12 and 14)
59	74	Meal Dryer/Cooler (Dryer Deck 1)

Emission Point Number	Associated Emission Unit(s) Number (s)	Associated Emission Unit Description
60	75	Meal Dryer/Cooler (Dryer Deck 2)
61	76	Meal Dryer/Cooler (Dryer Deck 3)
62	77	Meal Dryer/Cooler (Cooler Deck)
63	78a	Meal Production Belt
64	78b	Meal Production Belt
65	78c	Meal Production Belt
66	78d	Meal Production Belt
67	78e	Meal Production Belt
68	82	Soybean Hull Grinding
69	83	Soybean Meal Surge Bin
70	84	Soybean Meal Grinding
71	85	Soybean Hull Pelletizing

Insignificant Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
_____	_____
66	#2 Fuel Tank
_____	_____

II. Plant-Wide Conditions

Facility Name: Ag Processing Inc

Permit Number: **99-TV-004**

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

Permit Duration

The term of this permit is: Five years

Commencing on: February 12, 1999

Ending on: February 11, 2004

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

Unless specified otherwise in the Source Specific Conditions, the following limitations apply to all emission points at this plant:

Opacity (visible emissions): 40% opacity

Authority for Requirement: 567--IAC 23.3(2)"d"

Sulfur Dioxide (SO₂): 500 parts per million

Authority for Requirement: 567--IAC 23.3(3)"e"

Particulate Matter: Shall not exceed the amount determined from Table I (process weight rate) of Chapter 23 of the rules. If the director determines that a process complying with the emission rates specified in Table I is causing or will cause air pollution in a specific area of the state, an emission standard of 0.1 grain per standard cubic foot of exhaust gas may be imposed.

Authority for Requirement: 567--IAC 23.3(2)"a"

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567--IAC 23.3(2)"c"

III. Emission Point-Specific Conditions

Facility Name: Ag Processing Inc
Permit Number: **99-TV-004**

Emission Point ID Number: EP 1

Associated Equipment

Associated Emission Unit ID Numbers: EU 1, EU 2, EU 3 and EU 79
Emissions Control Equipment ID Numbers: CE 1, CE 2, CE 3, and CE 33
Emissions Control Equipment Description: Fabric Filter Baghouse and Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 1
Emission Unit Description: South Truck Receiving
Raw Material/Fuel: Soybeans
Rated Capacity: 300 tons/hr

Emission Unit vented through this Emission Point: EU 2
Emission Unit Description: Center Truck Receiving
Raw Material/Fuel: Soybeans
Rated Capacity: 300 tons/hr

Emission Unit vented through this Emission Point: EU 3
Emission Unit Description: Rail & North Receiving
Raw Material/Fuel: Soybeans
Rated Capacity: 600 tons/hr

Emission Unit vented through this Emission Point: EU 79
Emission Unit Description: Soybean Pod Grinder
Raw Material/Fuel: Soybeans Pods
Rated Capacity: N/A

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 75-A-222-S2

567 IAC 23.3(2)"d"

⁽¹⁾ Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make

corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM₁₀

Emission Limits: 0.002 gr/dscf, 0.46 lb/hr, and 2.01 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 75-A-222-S2

Pollutant: Particulate Matter

Emission Limits: 3.08 lb/hr, and 13.49 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 75-A-222-S2

Pollutant: Particulate Matter

Emission Limits: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards: The owner or operator shall inspect and maintain the control equipment according to good air pollution control practices.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Reporting & Record Keeping: All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. The owner or operation shall keep record of all baghouse in spections and maintenance activities.

Authority for Requirement: Iowa DNR Construction Permit 75-A-222-S2

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 53

Stack Diameter (inches): 35

Stack Exhaust Flow Rate (scfm): 27,000

Stack Temperature (°F): 70

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 75-A-222-S2

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant: PM₁₀

Stack Test to be Completed by (Date): Demonstrate compliance at least 6 months prior to the expiration of the operating permit.

Test Method: 201 A with 202, 40 CFR 51

Authority for Requirement: 567 IAC 22.108(3)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this

facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 2

Associated Equipment

Associated Emission Unit ID Numbers: EU 4a and EU4b

Applicable Requirements

Emission Unit vented through this Emission Point: EU 4a

Emission Unit Description: Grain Dryer

Raw Material/Fuel: Soybean

Rated Capacity: 180 tons/hr

Emission Unit vented through this Emission Point: EU 4b

Emission Unit Description: Grain Dryer

Raw Material/Fuel: Natural Gas

Rated Capacity: 0.00999 MCF/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.0029 gr/dscf, 2.0 lb/hr, and 8.76 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 96-A-007

Pollutant: Particulate Matter (TSP)

Emission Limits: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limits: 0.01 gr/dscf, 7.80 lb/hr, and 34.16 tons/yr

The applicant requested this limit.

Authority for Requirement: 567 IAC 22.108(13)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate of this equipment shall not exceed 180 tons/hr.

Reporting & Record Keeping: Records shall be kept to verify the process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

Authority for Requirement: Iowa DNR Construction Permit 96-A-007

The column screen perforation size shall not exceed 0.094 inches.

Authority for Requirement: Administrative Consent Order No. 2003-AQ-50

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 88

Stack Area (ft²): 1980

Stack Exhaust Flow Rate (acfm): 91,000

Stack Temperature (°F): 140

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 96-A-007

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

The facility shall check for visible emissions weekly during a period when the emission unit on this emission point is in operation and record the reading. If weather conditions prevent the observer from conducting a visible emissions observation, the observer shall note such conditions on the data observation sheet. If visible emission observations are unsuccessful due to weather on a given day the visible emission observations will be attempted the following day. A visible emission observation shall be made the next day that weather conditions allow.

Observations shall be done to ensure that no visible emissions occur during the operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions.

If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>40%) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions.

Maintain a written record of the observation and any action resulting from the observation for a minimum of five years.

Authority for Requirement: Administrative Consent Order No. 2003-AQ-50

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 3

Associated Equipment

Associated Emission Unit ID Numbers: EU 5, EU 6, and EU 7

Emissions Control Equipment ID Numbers: CE 4, CE 5, CE 6, CE 7, CE 8, and CE 33

Emissions Control Equipment Description: Fabric Filter Low Temperature, Centrifugal Collector High Efficiency, and Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 5

Emission Unit Description: Grain Storage

Raw Material/Fuel: Soybean

Rated Capacity: 900 tons/hr

Emission Unit vented through this Emission Point: EU 6

Emission Unit Description: Scalper

Raw Material/Fuel: Soybean

Rated Capacity: 180 tons/hr

Emission Unit vented through this Emission Point: EU 7

Emission Unit Description: Tripper

Raw Material/Fuel: Soybean

Rated Capacity: 900 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 0%

Authority for Requirement: Iowa DNR Construction Permit 75-A-225-S2
567 IAC 23.1(2) "ooo"
40 CFR Part 60 Subpart DD

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.004 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 75-A-225-S2

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil all soybeans prior to the loading of any soybeans into the receiving bin storage area.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record the date and time duration of all occurrences of oiling system shutdowns while soybeans are being transferred to receiving bin storage area.
2. Record the date of all occurrences of soybeans received at the AGP-Sergeant Bluff facility that are not processed and are shipped off-site. Quantify the amount of soybeans received on site but not processed at the AGP-Sergeant Bluff facility in bushels.
3. Maintain a record of all inspections and any action resulting from the inspection of Baghouse (CE4).

Authority for Requirement: Iowa DNR Construction Permit 75-A-225-S2

NSPS Requirements:

Method 9 and the procedures in 40 CFR 60.11(b) shall be used to determine opacity. The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. 40 CFR 60.11(c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40 CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1(2)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 115

Stack Diameter (inches): 36

Stack Exhaust Flow Rate (scfm): 26,000

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 75-A-225-S2

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 75-A-225-S2 (issued 6/20/03)

Pollutant – Particulate Matter

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 5 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 75-A-225-S2 (issued 6/20/03)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: Particulate Matter

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Baghouse Agency Operation & Maintenance Plan

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the averaged discrete data point over a period of time, or the presence of a monitored abnormal condition. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the excursion to the department and conduct source testing within 90 days of the excursion to demonstrate compliance with the applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods and Corrective Actions

General

- Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly

- Visible emissions shall be observed on a weekly basis to ensure no visible emissions during the operation of the unit. If visible emissions are observed this would be an exceedance not a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours. If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. If visible emission observations are unsuccessful due to weather on a given day the visible emission observations will be attempted the following day. A visible emission observation shall be made the next day that weather conditions allow.

Maintain a written record of the observation and any action resulting from the inspection.

Quarterly

- Check the cleaning sequence of the baghouse
- Check the hopper functions and performance
- Conduct a walk-around inspection of the entire system to search for leaks. If leaks in the system are detected, the appropriate measures for remediation will be initiated within eight (8) hours.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be initiated within eight (8) hours.

Annually

- Once per year a thorough inspection of the bags for leaks and wear. If leaks or abnormal conditions are detected the appropriate measures for remediation will be initiated within eight (8) hours. Bag replacement should be documented by identifying the date and number of bags replaced.
- Inspect all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods. If leaks or abnormal conditions are detected the appropriate measures for remediation will be initiated before the system is returned to service.

Maintain a written record of the inspection and any action resulting from the inspection.

Recordkeeping

- Maintain a record of all inspections and any action resulting from the inspection.
- Maintenance and inspection records will be kept for five (5) years and made available upon request.

Quality Control

- All instruments and control equipment will be calibrated, maintained, and operated according to good air pollution control practices.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 4

Associated Equipment

Associated Emission Unit ID Number: EU 8

Emissions Control Equipment ID Number: CE 9

Emissions Control Equipment Description: Centrifugal Collector High Efficiency

Applicable Requirements

Emission Unit vented through this Emission Point: EU 8

Emission Unit Description: Pellet Receiving

Raw Material/Fuel: Soybean Hull Pellets

Rated Capacity: 10 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.0245 gr/dscf, 0.21 lb/hr, and 0.92 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 88-A-131-S1

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate of this equipment shall not exceed 10 tons/hr.

Work Practice Standards: Routine monitoring and maintenance will be performed according to vendor's specifications to keep the cyclone operating at high control efficiency.

Reporting & Record Keeping:

A. Records shall be kept to verify the process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

B. A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request.

Authority for Requirement: Iowa DNR Construction Permit 88-A-131-S1

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 152

Stack Diameter (inches): 10

Stack Exhaust Flow Rate (acfm): 1,000

Stack Temperature (°F): 70

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 88-A-131-S1

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 5

Associated Equipment

Associated Emission Unit ID Number: EU 9

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 9

Emission Unit Description: Annex Reclaim (Fugitive)

Raw Material/Fuel: Soybean

Rated Capacity: 300 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive dust

Emission Limit: No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2)"c"(1)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 6

Associated Equipment

Associated Emission Unit ID Number: EU 10

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 10

Emission Unit Description: Flat Storage

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: Iowa DNR Construction Permit 02-A-304
567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-304
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil all soybeans prior to the loading of any soybeans to Flat Storage (EU10).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record the date and time duration of all occurrences of oiling system shutdowns while soybeans are being transferred to Flat Storage (EU10).
2. Record the date each time that Flat Storage (EU10) is operated. The Field Office must be notified prior to the 1st filling of Flat Storage (EU10) to allow a Field Office Representative the opportunity to observe whether there are visible emissions. Once the testing requirement

has been satisfied as specified in the Stack Testing section Footnote (1), no further recording of Flat Storage (EU10) is required.

Authority for Requirement: Iowa DNR Construction Permit 02-A-304

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 84

Stack Opening (inches²): 2616

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-304

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽¹⁾

1st Stack Test to be Completed by (date)⁽¹⁾

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 02-A-304 (issued 4/23/03)

Pollutant – Particulate Matter⁽¹⁾

1st Stack Test to be Completed by (date)⁽¹⁾

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 1 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 02-A-304 (issued 4/23/03)

⁽¹⁾ According to AGP, Flat Storage (EP6) is no longer in operation and is used for equipment storage at the time this permit is issued. Therefore, Opacity testing will be postponed until Flat Storage (EP6) is put back into operation, i.e. 1st filling of soybeans. If visible emissions are observed by a field office representative during opacity testing on the 1st filling of soybeans then AGP is required to conduct PM testing on Flat Storage (EP6). If AGP can not test for PM due to stack testing scheduling conflicts, AGP is required to document their efforts. However, PM testing must be completed on the 2nd filling of Flat Storage (EP6).

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 8

Associated Equipment

Associated Emission Unit ID: EU 12

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 12

Emission Unit Description: Bin 39

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-305
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-305
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-305

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-305

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 9

Associated Equipment

Associated Emission Unit ID: EU 13

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 13

Emission Unit Description: Bin 40

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-306
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-306
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-306

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-306

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 10

Associated Equipment

Associated Emission Unit ID: EU 14

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 14

Emission Unit Description: Bin 41

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-307
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-307
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-307

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-307

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 11

Associated Equipment

Associated Emission Unit ID: EU 15

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 15

Emission Unit Description: Bin 44

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-308
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-308
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-308

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-308

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 12

Associated Equipment

Associated Emission Unit ID: EU 16

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 16

Emission Unit Description: Bin 45

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-309
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-309
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-309

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-309

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 13

Associated Equipment

Associated Emission Unit ID: EU 17

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 17

Emission Unit Description: Bin 46

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-310
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-310
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-310

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-310

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 15

Associated Equipment

Associated Emission Unit ID Numbers: EU 19, EU 20, EU 21, EU 22, EU 23, EU 24, EU 25, and EU 26

Emissions Control Equipment ID Numbers: CE 10, CE 11, CE 12, CE 13, CE 14, CE 15, CE 16, CE 17, and CE 18

Emissions Control Equipment Description: Fabric Filter Low Temperature and Centrifugal Collector High Efficiency

Applicable Requirements

Emission Unit vented through this Emission Point: EU 19

Emission Unit Description: Elevator Dirt

Raw Material/Fuel: Soybean

Rated Capacity: 106 tons/hr

Emission Unit vented through this Emission Point: EU 20

Emission Unit Description: Cracker

Raw Material/Fuel: Soybean

Rated Capacity: 125 tons/hr

Emission Unit vented through this Emission Point: EU 21

Emission Unit Description: West Primary Dehulling

Raw Material/Fuel: Soybean

Rated Capacity: 45 tons/hr

Emission Unit vented through this Emission Point: EU 22

Emission Unit Description: Middle Primary Dehulling

Raw Material/Fuel: Soybean

Rated Capacity: 45 tons/hr

Emission Unit vented through this Emission Point: EU 23

Emission Unit Description: East Primary Dehulling

Raw Material/Fuel: Soybean

Rated Capacity: 45 tons/hr

Emission Unit vented through this Emission Point: EU 24

Emission Unit Description: East Secondary Dehulling

Raw Material/Fuel: Soybean

Rated Capacity: 21 tons/hr

Emission Unit vented through this Emission Point: EU 25
Emission Unit Description: West Secondary Dehulling
Raw Material/Fuel: Soybean
Rated Capacity: 21 tons/hr

Emission Unit vented through this Emission Point: EU 26
Emission Unit Description: Secondary Hood Dehulling
Raw Material/Fuel: Soybean
Rated Capacity: 42 tons/hr

Emission Unit vented through this Emission Point: EU 80
Emission Unit Description: Soybean Pod Conveyor
Raw Material/Fuel: Ground Soybean Pods
Rated Capacity: N/A

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit: 40%⁽¹⁾
Authority for Requirement: Iowa DNR Construction Permit 88-A-087-S4
567 IAC 23.3(2)"d"

⁽¹⁾ Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of no visible emissions will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM₁₀
Emission Limits: 0.004 gr/scf
Authority for Requirement: Iowa DNR Construction Permit 88-A-087-S4

Pollutant: Particulate Matter (TSP)
Emission Limit: 0.1 gr/scf
Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)
Emission Limits: 0.005 gr/scf
Authority for Requirement: Iowa DNR Construction Permit 88-A-087-S4

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

The maximum amount of soybeans crushed at the Sergeant Bluff shall not exceed 36,500,000 bushels of soybeans per rolling 12-month period.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on a monthly basis, the amount of soybeans crushed at the Sergeant Bluff facility in bushels. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the facility regarding the soybean crush capacity.
2. Maintain a record of all inspections and any action resulting from the inspection of Baghouse (CE10) and recovery cyclones.

Authority for Requirement: Iowa DNR Construction Permit 88-A-087-S4

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 82

Stack Diameter (inches): 48

Stack Exhaust Flow Rate (scfm): 50,000

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 88-A-087-S4

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 88-A-087-S4 (issued 6/20/03)

Pollutant – PM₁₀

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 51, Appendix M, 201 with 202⁽²⁾

⁽²⁾ or an approved alternative

Test Run Time – 7 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 88-A-087-S4 (issued 6/20/03)

Pollutant – Particulate Matter

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 4 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 88-A-087-S4 (issued 6/20/03)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: Particulate Matter

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Baghouse Agency Operation & Maintenance Plan

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the

reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the averaged discrete data point over a period of time, or the presence of a monitored abnormal condition. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the excursion to the department and conduct source testing within 90 days of the excursion to demonstrate compliance with the applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods and Corrective Actions

General

- Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly

- Visible emissions shall be observed on a weekly basis to ensure no visible emissions during the operation of the unit. If visible emissions are observed this would be an exceedance not a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours. If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. If visible emission observations are unsuccessful due to weather on a given day the visible emission observations will be attempted the following day. A visible emission observation shall be made the next day that weather conditions allow.

Maintain a written record of the observation and any action resulting from the inspection.

Quarterly

- Check the cleaning sequence of the baghouse
- Check the hopper functions and performance
- Conduct a walk-around inspection of the entire system to search for leaks. If leaks in the system are detected, the appropriate measures for remediation will be initiated within eight (8) hours.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be initiated within eight (8) hours.

Annually

- Once per year a thorough inspection of the bags for leaks and wear. If leaks or abnormal conditions are detected the appropriate measures for remediation will be initiated within eight (8) hours. Bag replacement should be documented by identifying the date and number of bags replaced.

- Inspect all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods. If leaks or abnormal conditions are detected the appropriate measures for remediation will be initiated before the system is returned to service.

Maintain a written record of the inspection and any action resulting from the inspection.

Recordkeeping

- Maintain a record of all inspections and any action resulting from the inspection.
- Maintenance and inspection records will be kept for five (5) years and made available upon request.

Quality Control

- All instruments and control equipment will be calibrated, maintained, and operated according to good air pollution control practices.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 16

Associated Equipment

Associated Emission Unit ID Numbers: EU 27, EU 28, EU 29, and EU 19

Emissions Control Equipment ID Numbers: CE 19, CE 20, CE 21, CE 22, and CE 34

Emissions Control Equipment Description: Fabric Filter Low Temperature, Centrifugal Collector High Efficiency, and Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 27

Emission Unit Description: Primary Over Dehulling

Raw Material/Fuel: Soybean

Rated Capacity: 418 tons/hr

Emission Unit vented through this Emission Point: EU 28

Emission Unit Description: Hull Grinding

Raw Material/Fuel: Soybean

Rated Capacity: 31.25 tons/hr

Emission Unit vented through this Emission Point: EU 29

Emission Unit Description: Hull Receiving

Raw Material/Fuel: Soybean

Rated Capacity: 15 tons/hr

Emission Unit vented through this Emission Point: EU 19b

Emission Unit Description: Elevator Dirt

Raw Material/Fuel: Soybean

Rated Capacity: 106 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.003 gr/dscf, 1.015 lb/hr, and 4.45 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 74-A-109-S2

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limits: 0.01 gr/dscf, 3.39 lb/hr, and 14.85 tons/yr

The applicant requested this limit.

Authority for Requirement: 567 IAC 22.108(13)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards: Routine monitoring and maintenance will be performed according to vendor's specifications to keep the fabric filter operating at high control efficiency.

Reporting & Record Keeping: A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request.

Authority for Requirement: Iowa DNR Construction Permit 74-A-109-S2

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 54

Stack Diameter (inches): 51.75

Stack Exhaust Flow Rate (acfm): 39,490

Stack Temperature (°F): 70

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 74-A-109-S2

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant: PM₁₀

Stack Test to be Completed by (Date): The Department shall be notified within one week of the restart of the equipment served by this emission point and a stack test will be completed within 6 months of that date.

Test Method: 201A with 202, 40 CFR 51
Authority for Requirement: 567 IAC 22.108(3)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 17

Associated Equipment

Associated Emission Unit ID Numbers: EU 30

Emissions Control Equipment ID Number: CE 23

Emissions Control Equipment Description: Centrifugal Collector High Efficiency

Applicable Requirements

Emission Unit vented through this Emission Point: EU 30

Emission Unit Description: Flaker Mill

Raw Material/Fuel: Cracked Soybeans

Rated Capacity: 180 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.01 gr/dscf, 0.76 lb/hr, and 3.33 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 95-A-509-S1

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate of this equipment shall not exceed 180 tons/hr.

Work Practice Standards: Routine monitoring and maintenance will be performed according to vendor's specifications to keep the fabric filter operating at high control efficiency.

Reporting & Record Keeping:

A. Records shall be kept to verify the process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

B. A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request.

Authority for Requirement: Iowa DNR Construction Permit 95-A-509-S1

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 53

Stack Diameter (inches): 24

Stack Exhaust Flow Rate (acfm): 9,800

Stack Temperature (°F): 125

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 95-A-509-S1

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: Particulate Matter

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Cyclone Agency Operation & Maintenance

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the averaged discrete data point over a period of time, or the presence of a monitored abnormal condition. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the excursion to the department and conduct source testing within 90 days of the excursion to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods & Corrective Actions

General

- Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly

- Visible emissions shall be observed on a weekly basis to ensure no visible emissions during the operation of the unit. If visible emissions are observed this would be an exceedance not a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours. If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. If visible emission observations are unsuccessful due to weather on a given day the visible emission observations will be attempted the following day. A visible emission observation shall be made the next day that weather conditions allow.

Maintain a written record of the observation and any action resulting from the inspection.

Quarterly

- Inspect the solids discharge valve for proper operation.
- Conduct a walk-around inspection of the entire system to search for leaks. If leaks in the system are detected, the appropriate measures for remediation will be initiated within eight (8) hours.

Annually

- Inspect the hopper unloading components.
- Check the barrel and collecting tube for deposits and/or excess wear or dents and clean/repair as needed to ensure proper operation.
- Clean cyclone inlet vanes (ramps or spinners) and ensure they operate according to manufacture specifications.

Maintain a written record of the observations, deficiencies, and any action resulting from the inspection.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented before the system is returned to service.

Record Keeping

- Maintain a record of all inspections and any action resulting from the inspections.
- Maintenance and inspection records will be kept for five (5) years and available upon request.

Quality Control

- All instruments and control equipment will be calibrated, maintained, and operated according to good air pollution control practices.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 18

Associated Equipment

Associated Emission Unit ID Number: EU 31

Applicable Requirements

Emission Unit vented through this Emission Point: EU 31

Emission Unit Description: Bean Conditioner

Raw Material/Fuel: Cracked Soybeans

Rated Capacity: 135 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-315-S1
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/dscf

Authority for Requirement: Iowa DNR Construction Permit 02-A-315-S1
567 IAC 23.4(7)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 72

Stack Diameter (inches): 30

Stack Exhaust Flow Rate (scfm): 400

Stack Temperature (°F): 128

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 02-A-315-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 19

Associated Equipment

Associated Emission Unit ID Number: EU 32

Applicable Requirements

Emission Unit vented through this Emission Point: EU 32

Emission Unit Description: Raw Flake

Raw Material/Fuel: Soybean Flakes

Rated Capacity: 135 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-316-S1
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/dscf

Authority for Requirement: Iowa DNR Construction Permit 02-A-316-S1
567 IAC 23.4(7)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 14

Stack Diameter (inches): 10

Stack Exhaust Flow Rate (scfm): 145

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 02-A-316-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 20

Associated Equipment

Associated Emission Unit ID Number: EU 33

Applicable Requirements

Emission Unit vented through this Emission Point: EU 33

Emission Unit Description: Expander (Fugitive)

Raw Material/Fuel: Soybean Dust

Rated Capacity: 20 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive dust

Emission Limit: No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2)"c"(1)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 21

Associated Equipment

Associated Emission Unit ID Number: EU 34

Applicable Requirements

Emission Unit vented through this Emission Point: EU 34

Emission Unit Description: Toaster

Raw Material/Fuel: Soybean

Rated Capacity: 10 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-317
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/dscf

Authority for Requirement: Iowa DNR Construction Permit 02-A-317
567 IAC 23.4(7)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 41

Stack Diameter (inches): 12

Stack Exhaust Flow Rate (scfm): 125

Stack Temperature (°F): 120

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 02-A-317

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Pollutant – Opacity⁽²⁾

1st Stack Test to be Completed by (date) - within 90 days after the issuance date of this permit (02-A-317).

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 02-A-317 (issued 10/2/02)

Pollutant – Particulate Matter⁽²⁾

1st Stack Test to be Completed by (date) - within 90 days after the issuance date of this permit (02-A-317).

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 1 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 02-A-317 (issued 10/2/02)

⁽²⁾The Toaster (EP21) is currently not in operation. PM and Opacity testing will be postponed until Toaster (EP21) is put back into operation. PM and Opacity testing is required 90 days after the startup date of Toaster (EP21).

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 23

Associated Equipment

Associated Emission Unit ID Number: EU 36

Emissions Control Equipment ID Number: CE 24

Emissions Control Equipment Description: Centrifugal Collector High Efficiency

Applicable Requirements

Emission Unit vented through this Emission Point: EU 36

Emission Unit Description: Pellet Cooler

Raw Material/Fuel: Soybeans

Rated Capacity: 10 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.02 gr/dscf, 1.334 lb/hr, and 5.84 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 88-A-132-S1

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate of this equipment shall not exceed 10 tons/hr.

Work Practice Standards: Routine monitoring and maintenance will be performed according to vendor's specifications to keep the fabric filter operating at high control efficiency.

Reporting & Record Keeping:

- A. Records shall be kept to verify the process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

- B. A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request.

Authority for Requirement: Iowa DNR Construction Permit 88-A-132-S1

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 49.5

Stack Diameter (inches): 24

Stack Exhaust Flow Rate (acfm): 8,000

Stack Temperature (°F): 85

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 88-A-132-S1

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 24

Associated Equipment

Associated Emission Unit ID Number: EU 37

Emissions Control Equipment ID Numbers: CE 25 and CE 26

Emissions Control Equipment Description: Fabric Filter Low Temperature and Centrifugal Collector High Efficiency

Applicable Requirements

Emission Unit vented through this Emission Point: EU 37

Emission Unit Description: Meal Grinder

Raw Material/Fuel: Soybean Cake

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 74-A-108-S3
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. The permit holder shall also file an "indicator opacity exceedance report" with the DNR field office and keep records as required in the policy. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM₁₀

Emission Limits: 0.005 gr/dscf, 0.395 lb/hr, and 1.73 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 74-A-108-S3

Pollutant: Particulate Matter (TSP)

Emission Limits: 0.01 gr/dscf, 0.79 lb/hr, and 3.46 tons/yr

The applicant requested this limit.

Authority for Requirement: 567 IAC 22.108(13)

Pollutant: Particulate Matter (TSP)

Emission Limits: 0.1 gr/dscf

Authority for Requirement: Iowa DNR Construction Permit 74-A-108-S3
567 IAC 23.3(2)"a"

Pollutant: Particulate Matter (TSP)
Emission Limits: 0.1 gr/scf
Authority for Requirement: 567 IAC 23.4(7)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 62
Stack Diameter (inches): 30
Stack Exhaust Flow Rate (acfm): 9,300
Stack Temperature (°F): Ambient
Vertical, Unobstructed Discharge Required: Yes ☒ No ☐
Authority for Requirement: Iowa DNR Construction Permit 74-A-108-S3

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant: PM₁₀
Stack Test to be Completed by (Date): Demonstrated compliance on 6/7/00.

Test Method: 201A and 202, 40 CFR 51
Authority for Requirement: 567 IAC 22.108(3)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 27

Associated Equipment

Associated Emission Unit ID Numbers: EU 40, EU 41

Emissions Control Equipment ID Numbers: CE 29 and CE 30

Emissions Control Equipment Description: Fabric Filter Low Temperature and Centrifugal Collector High Efficiency

Applicable Requirements

Emission Unit vented through this Emission Point: EU 40

Emission Unit Description: Meal Loadout

Raw Material/Fuel: Soybeans

Rated Capacity: 37 tons/hr

Emission Unit vented through this Emission Point: EU 41

Emission Unit Description: Meal Loadout

Raw Material/Fuel: Soybeans

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.01 gr/dscf, 0.492 lb/hr, and 2.16 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 75-A-226-S1

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

Operational Specifications: Routine monitoring and maintenance will be performed according to vendor's specifications to keep the cyclone operating at high control efficiency.

Reporting & Record Keeping: A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request.

Authority for Requirement: Iowa DNR Construction Permit 75-A-226-S1

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 96.41

Stack Diameter (inches): 20

Stack Exhaust Flow Rate (acfm): 5,800

Stack Temperature (°F): 75

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 75-A-226-S1

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: Particulate Matter

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Baghouse Agency Operation & Maintenance Plan

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the averaged discrete data point over a period of time, or the presence of a monitored abnormal condition. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the excursion to the department and conduct source testing within 90 days of the excursion to demonstrate compliance with the applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods and Corrective Actions

General

- Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly

- Visible emissions shall be observed on a weekly basis to ensure no visible emissions during the operation of the unit. If visible emissions are observed this would be an exceedance not a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours. If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. If visible emission observations are unsuccessful due to weather on a given day the visible emission observations will be attempted the following day. A visible emission observation shall be made the next day that weather conditions allow.

Maintain a written record of the observation and any action resulting from the inspection.

Quarterly

- Check the cleaning sequence of the baghouse
- Check the hopper functions and performance
- Conduct a walk-around inspection of the entire system to search for leaks. If leaks in the system are detected, the appropriate measures for remediation will be initiated within eight (8) hours.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be initiated within eight (8) hours.

Annually

- Once per year a thorough inspection of the bags for leaks and wear. If leaks or abnormal conditions are detected the appropriate measures for remediation will be initiated within eight (8) hours. Bag replacement should be documented by identifying the date and number of bags replaced.
- Inspect all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods. If leaks or abnormal conditions are detected the appropriate measures for remediation will be initiated before the system is returned to service.

Maintain a written record of the inspection and any action resulting from the inspection.

Recordkeeping

- Maintain a record of all inspections and any action resulting from the inspection.
- Maintenance and inspection records will be kept for five (5) years and made available upon request.

Quality Control

- All instruments and control equipment will be calibrated, maintained, and operated according to good air pollution control practices.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 28

Associated Equipment

Associated Emission Unit ID Numbers: EU 42, EU 43

Emissions Control Equipment ID Number: CE 57

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 42

Emission Unit Description: Hull Receiving

Raw Material/Fuel: Soybean Hulls

Rated Capacity: 17 tons/hr

Emission Unit vented through this Emission Point: EU 43

Emission Unit Description: Flowability Agent

Raw Material/Fuel: Soybean Hulls

Rated Capacity: 17 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 96-A-068-S1
567 IAC 23.3(2)"d"

⁽¹⁾ Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 96-A-068-S1

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

The amount of soybean hulls processed through Hull/Meal Bin (EP28) shall not exceed 148,920 tons per rolling 12-month period.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on a monthly basis, the amount of soybean hulls processed through Hull/Meal Bin (EP28) in Tons. Calculate and record rolling 12-monthly totals.
2. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE57).

Authority for Requirement: Iowa DNR Construction Permit 96-A-068-S1

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 93

Stack Diameter (inches): 8

Stack Exhaust Flow Rate (scfm): 1,500

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 96-A-068-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 96-A-068-S1 (issued 6/20/03)

Pollutant – Particulate Matter

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 96-A-068-S1 (issued 6/20/03)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 29

Associated Equipment

Associated Emission Unit ID Number: EU 44

Emissions Control Equipment ID Number: CE 49

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 44

Emission Unit Description: Meal Bin 5

Raw Material/Fuel: Soybeans Meal

Rated Capacity: 200 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-413
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-413

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-413

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

Soybean meal loaded into Meal Bin 5 shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE49).

Authority for Requirement: Iowa DNR Construction Permit 03-A-413

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 93

Stack Diameter (inches): 4

Stack Exhaust Flow Rate (scfm): 300

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-413

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-413 (issued 6/20/03)

Pollutant – Particulate Matter⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-413 (issued 6/20/03)

⁽³⁾Initial compliance testing for PM and opacity shall be conducted on one of the following emission units: Meal Bin 5 (EP29), Meal Bin 6 (EP30), Meal Bin 7 (EP31), Meal Bin 8 (EP32), Meal Bin 9 (EP33), Meal Bin 10 (EP34), Meal Bin 11 (EP35), Meal Bin 13 (EP37) or Meal Surge Tank (EP69). PM and Opacity test results conducted on one of the specified emission units in the previous sentence above shall be used to represent PM emissions and opacity from Meal Bin 5 (EP29).

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 30

Associated Equipment

Associated Emission Unit ID Number: EU 45

Emissions Control Equipment ID Number: CE 50

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 45

Emission Unit Description: Meal Bin 6

Raw Material/Fuel: Soybeans Meal

Rated Capacity: 200 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-414
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-414

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-414

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

Soybean meal loaded into Meal Bin 6 shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE50).

Authority for Requirement: Iowa DNR Construction Permit 03-A-414

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 93

Stack Diameter (inches): 4

Stack Exhaust Flow Rate (scfm): 300

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-414

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-414 (issued 6/20/03)

Pollutant – Particulate Matter⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-414 (issued 6/20/03)

⁽³⁾Initial compliance testing for PM and opacity shall be conducted on one of the following emission units: Meal Bin 5 (EP29), Meal Bin 6 (EP30), Meal Bin 7 (EP31), Meal Bin 8 (EP32), Meal Bin 9 (EP33), Meal Bin 10 (EP34), Meal Bin 11 (EP35), Meal Bin 13 (EP37) or Meal Surge Tank (EP69). PM and Opacity test results conducted on one of the specified emission units in the previous sentence above shall be used to represent PM emissions and opacity from Meal Bin 6 (EP30).

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 31

Associated Equipment

Associated Emission Unit ID Number: EU 46

Emissions Control Equipment ID Number: CE 51

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 46

Emission Unit Description: Meal Bin 7

Raw Material/Fuel: Soybeans Meal

Rated Capacity: 200 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-415
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-415

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-415

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

Soybean meal loaded into Meal Bin 7 shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE51).

Authority for Requirement: Iowa DNR Construction Permit 03-A-415

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 93

Stack Diameter (inches): 4

Stack Exhaust Flow Rate (scfm): 300

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-415

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-415 (issued 6/20/03)

Pollutant – Particulate Matter⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-415 (issued 6/20/03)

⁽³⁾Initial compliance testing for PM and opacity shall be conducted on one of the following emission units: Meal Bin 5 (EP29), Meal Bin 6 (EP30), Meal Bin 7 (EP31), Meal Bin 8 (EP32), Meal Bin 9 (EP33), Meal Bin 10 (EP34), Meal Bin 11 (EP35), Meal Bin 13 (EP37) or Meal Surge Tank (EP69). PM and Opacity test results conducted on one of the specified emission units in the previous sentence above shall be used to represent PM emissions and opacity from Meal Bin 7 (EP31).

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 32

Associated Equipment

Associated Emission Unit ID Number: EU 47

Emissions Control Equipment ID Number: CE 52

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 47

Emission Unit Description: Meal Bin 8

Raw Material/Fuel: Soybeans Meal

Rated Capacity: 200 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-416
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-416

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-416

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

Soybean meal loaded into Meal Bin 8 shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE52).

Authority for Requirement: Iowa DNR Construction Permit 03-A-416

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 93

Stack Diameter (inches): 4

Stack Exhaust Flow Rate (scfm): 300

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-416

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-416 (issued 6/20/03)

Pollutant – Particulate Matter⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-416 (issued 6/20/03)

⁽³⁾Initial compliance testing for PM and opacity shall be conducted on one of the following emission units: Meal Bin 5 (EP29), Meal Bin 6 (EP30), Meal Bin 7 (EP31), Meal Bin 8 (EP32), Meal Bin 9 (EP33), Meal Bin 10 (EP34), Meal Bin 11 (EP35), Meal Bin 13 (EP37) or Meal Surge Tank (EP69). PM and Opacity test results conducted on one of the specified emission units in the previous sentence above shall be used to represent PM emissions and opacity from Meal Bin 8 (EP32).

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 33

Associated Equipment

Associated Emission Unit ID Number: EU 48

Emissions Control Equipment ID Number: CE 53

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 48

Emission Unit Description: Meal Bin 9

Raw Material/Fuel: Soybeans Meal

Rated Capacity: 200 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-417
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-417

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-417

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

Soybean meal loaded into Meal Bin 9 shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE53).

Authority for Requirement: Iowa DNR Construction Permit 03-A-417

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 93

Stack Diameter (inches): 4

Stack Exhaust Flow Rate (scfm): 300

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-417

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-417 (issued 6/20/03)

Pollutant – Particulate Matter⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-417 (issued 6/20/03)

⁽³⁾Initial compliance testing for PM and opacity shall be conducted on one of the following emission units: Meal Bin 5 (EP29), Meal Bin 6 (EP30), Meal Bin 7 (EP31), Meal Bin 8 (EP32), Meal Bin 9 (EP33), Meal Bin 10 (EP34), Meal Bin 11 (EP35), Meal Bin 13 (EP37) or Meal Surge Tank (EP69). PM and Opacity test results conducted on one of the specified emission units in the previous sentence above shall be used to represent PM emissions and opacity from Meal Bin 9 (EP33).

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 34

Associated Equipment

Associated Emission Unit ID Number: EU 49

Emissions Control Equipment ID Number: CE 54

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 49

Emission Unit Description: Meal Bin 10

Raw Material/Fuel: Soybeans Meal

Rated Capacity: 200 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-418
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-418

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-418

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

Soybean meal loaded into Meal Bin 10 shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE54).

Authority for Requirement: Iowa DNR Construction Permit 03-A-418

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 93

Stack Diameter (inches): 4

Stack Exhaust Flow Rate (scfm): 300

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-418

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-418 (issued 6/20/03)

Pollutant – Particulate Matter⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-418 (issued 6/20/03)

⁽³⁾Initial compliance testing for PM and opacity shall be conducted on one of the following emission units: Meal Bin 5 (EP29), Meal Bin 6 (EP30), Meal Bin 7 (EP31), Meal Bin 8 (EP32), Meal Bin 9 (EP33), Meal Bin 10 (EP34), Meal Bin 11 (EP35), Meal Bin 13 (EP37) or Meal Surge Tank (EP69). PM and Opacity test results conducted on one of the specified emission units in the previous sentence above shall be used to represent PM emissions and opacity from Meal Bin 10 (EP34).

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 35

Associated Equipment

Associated Emission Unit ID Number: EU 50

Emissions Control Equipment ID Number: CE 55

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 50

Emission Unit Description: Meal Bin 11

Raw Material/Fuel: Soybeans Meal

Rated Capacity: 200 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-419
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-419

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-419

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

Soybean meal loaded into Meal Bin 11 shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE55).

Authority for Requirement: Iowa DNR Construction Permit 03-A-419

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 93

Stack Diameter (inches): 4

Stack Exhaust Flow Rate (scfm): 300

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-419

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-419 (issued 6/20/03)

Pollutant – Particulate Matter⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-419 (issued 6/20/03)

⁽³⁾Initial compliance testing for PM and opacity shall be conducted on one of the following emission units: Meal Bin 5 (EP29), Meal Bin 6 (EP30), Meal Bin 7 (EP31), Meal Bin 8 (EP32), Meal Bin 9 (EP33), Meal Bin 10 (EP34), Meal Bin 11 (EP35), Meal Bin 13 (EP37) or Meal Surge Tank (EP69). PM and Opacity test results conducted on one of the specified emission units in the previous sentence above shall be used to represent PM emissions and opacity from Meal Bin 11 (EP35).

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 37

Associated Equipment

Associated Emission Unit ID Number: EU 52

Emissions Control Equipment ID Number: CE 56

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 52

Emission Unit Description: Meal Bin 13

Raw Material/Fuel: Soybeans Meal

Rated Capacity: 200 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-420
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-420

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-420

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

Soybean meal loaded into Meal Bin 13 shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE56).

Authority for Requirement: Iowa DNR Construction Permit 03-A-420

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 93

Stack Diameter (inches): 4

Stack Exhaust Flow Rate (scfm): 300

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-420

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-420 (issued 6/20/03)

Pollutant – Particulate Matter⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-420 (issued 6/20/03)

⁽³⁾Initial compliance testing for PM and opacity shall be conducted on one of the following emission units: Meal Bin 5 (EP29), Meal Bin 6 (EP30), Meal Bin 7 (EP31), Meal Bin 8 (EP32), Meal Bin 9 (EP33), Meal Bin 10 (EP34), Meal Bin 11 (EP35), Meal Bin 13 (EP37) or Meal Surge Tank (EP69). PM and Opacity test results conducted on one of the specified emission units in the previous sentence above shall be used to represent PM emissions and opacity from Meal Bin 13 (EP37).

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 39

Associated Equipment

Associated Emission Unit ID Number: EU 54

Applicable Requirements

Emission Unit vented through this Emission Point: EU 54

Emission Unit Description: Meal Loadout Reclaim (Fugitive)

Raw Material/Fuel: Soybean Meal

Rated Capacity: 400 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive dust

Emission Limit: No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2)"c"(1)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 40

Associated Equipment

Associated Emission Unit ID Number: EU 55

Emissions Control Equipment ID Number: CE 32

Emissions Control Equipment Description: Fabric Filter Low Temperature

Applicable Requirements

Emission Unit vented through this Emission Point: EU 55

Emission Unit Description: Truck Loadout

Raw Material/Fuel: Soybean Meal

Rated Capacity: 250 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.0027 gr/dscf, 0.845 lb/hr, and 3.70 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 89-A-058-S1

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limits: 0.01 gr/dscf, 3.09 lb/hr, and 13.52 tons/yr

The applicant requested this limit.

Authority for Requirement: 567 IAC 22.108(13)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards: Routine monitoring and maintenance will be performed according to vendor's specifications to keep the fabric filter operating at high control efficiency.

Reporting & Record Keeping: A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request.

Authority for Requirement: Iowa DNR Construction Permit 89-A-058-S1

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 7.58

Stack Diameter (inches): 35

Stack Exhaust Flow Rate (acfm): 36,000

Stack Temperature (°F): 70

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 89-A-058-S1

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 41

Associated Equipment

Associated Emission Unit ID Number: EU 56

Applicable Requirements

Emission Unit vented through this Emission Point: EU 56

Emission Unit Description: Rail Loadout (Fugitive)

Raw Material/Fuel: Soybean Meal

Rated Capacity: 500 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive dust

Emission Limit: No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2)"c"(1)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 42

Associated Equipment

Associated Emission Unit ID Number: EU 57

Applicable Requirements

Emission Unit vented through this Emission Point: EU 57

Emission Unit Description: Barge Loadout (Fugitive)

Raw Material/Fuel: Soybean Meal and Soy Hulls Pellets

Rated Capacity: 200 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive dust

Emission Limit: No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: 567 IAC 23.3(2)"c"(1)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 43

Associated Equipment

Associated Emission Unit ID Number: EU 58

Applicable Requirements

Emission Unit vented through this Emission Point: EU 58

Emission Unit Description: Soybean Oil Extractor

Raw Material/Fuel: Hexane

Rated Capacity: 125 tons/hr (133,333 Bushels of Soybeans/day)

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-080

⁽¹⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

1. Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.
2. The maximum crush capacity of the Sergeant Bluff facility shall not exceed 100,000 bushels of soybeans per day.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals.

2. Record on a daily basis, the amount of soybeans crushed at the Sergeant Bluff facility in bushels.

Authority for Requirement: Iowa DNR Construction Permit 03-A-080

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 44

Associated Equipment

Associated Emission Unit ID Number: EU 59

Applicable Requirements

Emission Unit vented through this Emission Point: EU 59

Emission Unit Description: Cleaver Brooks Boiler

Raw Material/Fuel: Natural Gas or Distillate Oil # 2

Rated Capacity: 75.62 MMBtu/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"
Iowa DNR Construction Permit 74-A-111

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.6 lb/MM Btu

Authority for Requirement: 567 IAC 23.3(2)"b"
Iowa DNR Construction Permit 74-A-111

Pollutant: Sulfur Dioxide (SO₂) using Liquid Fuel

Emission Limit: 1.5 lb/MM Btu

Authority for Requirement: Iowa DNR Construction Permit 74-A-111

Pollutant: Sulfur Dioxide (SO₂) using Natural Gas

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3)"e"

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

The facility shall monitor the percent of sulfur in the diesel fuel as delivered to accurately track the SO_x emissions. The amount of fuel purchased and the sulfur content shall be used to calculate the overall sulfur content of all the fuel purchased on a rolling twelve month average. The sulfur content shall be used to calculate the actual SO_x emissions. The sulfur content can be vendor supplied or facility generated.

Authority for Requirement: 567 IAC 22.108(3)"b"

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 45

Associated Equipment

Associated Emission Unit ID Number: EU 60

Applicable Requirements

Emission Unit vented through this Emission Point: EU 60

Emission Unit Description: Babcock & Wilcox Boiler

Raw Material/Fuel: Natural Gas or Distillate Oil # 2

Rated Capacity: 75.62 MMBtu/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.6 lb/MM Btu

Authority for Requirement: 567 IAC 23.3(2)"b"

Pollutant: Sulfur Dioxide (SO₂) using Liquid Fuel

Emission Limit: 2.5 lb/MM Btu

Authority for Requirement: 567 IAC 23.3(3)"b"

Pollutant: Sulfur Dioxide (SO₂) using Natural Gas

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3)"e"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Hours of Operation: The hours of operation of the subject source shall not exceed 6,700 per 12-month rolling period.

Process Throughput: Fuels shall be limited to natural gas or number 2 fuel oil.

Fuel oil consumption shall not exceed 545,000 gallons per twelve (12) month rolling period.

Reporting & Record Keeping: Record of monthly operating time and fuel oil consumption shall be kept adequately to document compliance.

Authority for Requirement: Iowa DNR Construction Permit 92-A-032

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

The facility shall monitor the percent of sulfur in the diesel fuel as delivered to accurately track the SO_x emissions. The amount of fuel purchased and the sulfur content shall be used to calculate the overall sulfur content of all the fuel purchased on a rolling twelve month average. The sulfur content shall be used to calculate the actual SO_x emissions. The sulfur content can be vendor supplied or facility generated.

Authority for Requirement: 567 IAC 22.108(3)"b"

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 46

Associated Equipment

Associated Emission Unit ID Number: EU 61

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 61

Emission Unit Description: Bin 42B

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-311
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-311
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-311

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-311

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 47

Associated Equipment

Associated Emission Unit ID Number: EU 62

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 62

Emission Unit Description: Bin 43B

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-312
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-312
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-312

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-312

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 48

Associated Equipment

Associated Emission Unit ID Number: EU 63

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 63

Emission Unit Description: Bin 42A

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-313
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-313
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-313

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-313

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 49

Associated Equipment

Associated Emission Unit ID Number: EU 64

Emissions Control Equipment ID Number: CE 33

Emissions Control Equipment Description: Dust Suppression

Applicable Requirements

Emission Unit vented through this Emission Point: EU 64

Emission Unit Description: Bin 43A

Raw Material/Fuel: Soybean

Rated Capacity: 600 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-314
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-314
567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Work Practice Standards:

AGP is required to oil and pre-clean all soybeans prior to the loading of any soybeans to the Tempering Bins (Bins 39, 40, 41, 44, 45, 46, 42B, 43B, 42A, 43A).

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

Record the date and time duration of all occurrences of bean cleaner or oiling system shutdowns while soybeans are being transferred to the Tempering Bins.

Authority for Requirement: Iowa DNR Construction Permit 02-A-314

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 151

Stack Diameter (inches): 14

Stack Exhaust Flow Rate (scfm): 415

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-314

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 50

Associated Equipment

Associated Emission Unit ID Number: EU 65

Applicable Requirements

Emission Unit vented through this Emission Point: EU 65

Emission Unit Description: Fire Pump

Raw Material/Fuel: Distillate Oil

Rated Capacity: 35.7 gallons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.6 lb/MM Btu

Authority for Requirement: 567 IAC 23.3(2)"b"

Pollutant: Sulfur Dioxide (SO₂) using Liquid Fuel

Emission Limit: 2.5 lb/MMBtu

Authority for Requirement: 567 IAC 23.3(3)"b"

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner. **Periodic**

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

The facility shall monitor the percent of sulfur in the diesel fuel as delivered to accurately track the SO_x emissions. The amount of fuel purchased and the sulfur content shall be used to calculate the overall sulfur content of all the fuel purchased on a rolling twelve month average. The sulfur content shall be used to calculate the actual SO_x emissions. The sulfur content can be vendor supplied or facility generated.

Authority for Requirement: 567 IAC 22.108(3)"b"

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 54

Associated Equipment

Associated Emission Unit ID Number: EU 69

Emissions Control Equipment ID Number: CE 34

Emissions Control Equipment Description: Conservation Vent

Applicable Requirements

Emission Unit vented through this Emission Point: EU 69

Emission Unit Description: Methanol Storage Tank

Raw Material/Fuel: Methanol

Rated Capacity: 2,984.5 ft³

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Not applicable at this time.

Operational Limits & Requirements

Reporting & Record Keeping: All record, as required below, shall be satisfactory for demonstrating compliance with all applicable operating limits.

Records must be maintained onsite to indicate the following:

- A. The dimensions of the storage vessel and an analysis of the capacity of the storage vessel.
- B. The volatile organic liquid (VOL) stored, the period of storage, and the maximum true vapor pressure of that VOL during the period of storage.

Authority for Requirement: Iowa DNR Construction Permit 97-A-499
40 CFR 60.116b

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 17

Stack Diameter (inches): 6

Stack Exhaust Flow Rate (acfm): N/A

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 97-A-499

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 55

Associated Equipment

Associated Emission Unit ID Number: EU 70

Emissions Control Equipment ID Number: CE 35

Emissions Control Equipment Description: Conservation Vent

Applicable Requirements

Emission Unit vented through this Emission Point: EU 70

Emission Unit Description: Catalyst Storage Tank

Raw Material/Fuel: Catalyst (Sodium Methylete)

Rated Capacity: 2,356.2 ft³

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Not applicable at this time.

Operational Limits & Requirements

Reporting & Record Keeping: All record, as required below, shall be satisfactory for demonstrating compliance with all applicable operating limits.

Records must be maintained onsite to indicate the dimensions of the storage vessel and an analysis of the capacity of the storage vessel.

Authority for Requirement: Iowa DNR Construction Permit 97-A-500
40 CFR 60.116b

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 17

Stack Diameter (inches): 6

Stack Exhaust Flow Rate (acfm): N/A

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 97-A-500

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 56

Associated Equipment

Associated Emission Unit ID Number: EU 71

Emissions Control Equipment ID Number: CE 36

Emissions Control Equipment Description: Condenser

Applicable Requirements

Emission Unit vented through this Emission Point: EU 71

Emission Unit Description: Methanol Recovery Still

Raw Material/Fuel: Methanol

Rated Capacity: 60,000 lb/batch

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Not applicable at this time.

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Emission Characteristics

The source shall be connected to the stack designated below.

Stack Height (feet): 35

Stack Diameter (inches): 6

Stack Exhaust Flow Rate (acfm): 100

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 96-A-037-S2

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 57

Associated Equipment

Associated Emission Unit ID Number: EU 72

Emissions Control Equipment ID Number: CE 37

Emissions Control Equipment Description: High Efficiency Cyclone

Applicable Requirements

Emission Unit vented through this Emission Point: EU 72

Emission Unit Description: Soy Pass Dryer/Cooler

Raw Material/Fuel: Soybean Meal

Rated Capacity: 10 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.00514 gr/dscf, 0.13 lb/hr, and 0.57 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 95-A-858

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate of the soy pass dryers and cooler system shall not exceed 10 tons/hour.

Reporting & Record Keeping:

- A. The owner of the equipment shall keep adequate records to verify the meal process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

- B. The owner shall perform routine monitoring and routine maintenance according to vendor's specifications to keep the cyclone operating at high control efficiency. A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request

Authority for Requirement: Iowa DNR Construction Permit 95-A-858

The Department shall be notified within one week of the restart of the equipment served by this emission point.

Authority for Requirement: Administrative Consent Order No. 2003-AQ-50

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 50

Stack Diameter (inches): 12

Stack Exhaust Flow Rate (acfm): 3000

Stack Temperature (°F): 100

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 95-A-858

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant: PM₁₀

Stack Test to be Completed by (Date): Within 180 days of restarting operations.

Test Method: 201A with 202, 40 CFR 51

Authority for Requirement: 567 IAC 22.108(3)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 58

Associated Equipment

Associated Emission Unit ID Number: EU 73

Emissions Control Equipment ID Number: CE 38

Emissions Control Equipment Description: Fabric Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 73

Emission Unit Description: Soy Pass Blower (Storage Bins 12 and 14)

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 10 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.0058 gr/dscf, 0.04 lb/hr, and 0.175 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 95-A-859

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate shall not exceed 10 tons/hour.

Reporting & Record Keeping:

- A. The owner of the equipment shall keep adequate records to verify the meal process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

- B. The owner shall perform routine monitoring and routine maintenance according to vendor's specifications to keep the fabric filter operating at high control efficiency. A log of actual inspections, observations, and maintenance shall be make available to the IDNR personnel upon request

Authority for Requirement: Iowa DNR Construction Permit 95-A-859

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 95

Stack Diameter (inches): 10

Stack Exhaust Flow Rate (acfm): 800

Stack Temperature (°F): 70

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 95-A-859

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Periodic monitoring is not required at this time.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 59

Associated Equipment

Associated Emission Unit ID Number: EU 74

Emissions Control Equipment ID Number: CE 39

Emissions Control Equipment Description: High Efficiency Cyclone

Applicable Requirements

Emission Unit vented through this Emission Point: EU 74

Emission Unit Description: Meal Dryer/Cooler (Dryer Deck 1)

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.008 gr/dscf, 1.38 lb/hr, and 6.04 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 95-A-854

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate of the meal dryers and cooler system shall not exceed 125 tons/hour.

Reporting & Record Keeping:

- A. The owner of the equipment shall keep adequate records to verify the meal process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

- B. The owner shall perform routine monitoring and routine maintenance according to vendor's specifications to keep the cyclone operating at high control efficiency. A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request

Authority for Requirement: Iowa DNR Construction Permit 95-A-854

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 50

Stack Diameter (inches): 30

Stack Exhaust Flow Rate (acfm): 23,908

Stack Temperature (°F): 170

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 95-A-854

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant: PM₁₀

Stack Test to be Completed by (Date): Demonstrated compliance on 6/7/00 (Iowa Method 5).

Test Method: 201A with 202, 40 CFR 51

Authority for Requirement: 567 IAC 22.108(3)

Pollutant: Particulate Matter

Stack Test to be Completed by (Date): Demonstrated compliance on 6/7/00.

Test Method: Iowa Compliance Sampling Manual

Authority for Requirement: 567 IAC 22.108(3)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: Particulate Matter

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Cyclone Agency Operation & Maintenance

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the averaged discrete data point over a period of time, or the presence of a monitored abnormal condition. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the excursion to the department and conduct source testing within 90 days of the excursion to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods & Corrective Actions

General

- Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly

- Visible emissions shall be observed on a weekly basis to ensure no visible emissions during the operation of the unit. If visible emissions are observed this would be an exceedance not a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours. If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. If visible emission observations are unsuccessful due to weather on a given day the visible emission observations will be attempted the following day. A visible emission observation shall be made the next day that weather conditions allow.

Maintain a written record of the observation and any action resulting from the inspection.

Quarterly

- Inspect the solids discharge valve for proper operation.
- Conduct a walk-around inspection of the entire system to search for leaks. If leaks in the system are detected, the appropriate measures for remediation will be initiated within eight (8) hours.

Annually

- Inspect the hopper unloading components.
- Check the barrel and collecting tube for deposits and/or excess wear or dents and clean/repair as needed to ensure proper operation.
- Clean cyclone inlet vanes (ramps or spinners) and ensure they operate according to manufacture specifications.

Maintain a written record of the observations, deficiencies, and any action resulting from the inspection.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented before the system is returned to service.

Record Keeping

- Maintain a record of all inspections and any action resulting from the inspections.
- Maintenance and inspection records will be kept for five (5) years and available upon request.

Quality Control

- All instruments and control equipment will be calibrated, maintained, and operated according to good air pollution control practices.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 60

Associated Equipment

Associated Emission Unit ID Number: EU 75

Emissions Control Equipment ID Number: CE 40

Emissions Control Equipment Description: High Efficiency Cyclone

Applicable Requirements

Emission Unit vented through this Emission Point: EU 75

Emission Unit Description: Meal Dryer/Cooler (Dryer Deck 2)

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.01 gr/dscf, 1.49 lb/hr, and 6.526 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 95-A-855

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate of the meal dryers and cooler system shall not exceed 125 tons/hour.

Reporting & Record Keeping:

- A. The owner of the equipment shall keep adequate records to verify the meal process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

- B. The owner shall perform routine monitoring and routine maintenance according to vendor's specifications to keep the cyclone operating at high control efficiency. A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request

Authority for Requirement: Iowa DNR Construction Permit 95-A-855

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 50

Stack Diameter (inches): 30

Stack Exhaust Flow Rate (acfm): 19,509

Stack Temperature (°F): 133

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 95-A-855

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant: PM₁₀

Stack Test to be Completed by (Date): Demonstrated compliance on 6/7/00.

Test Method: 201A with 202, 40 CFR 51

Authority for Requirement: 567 IAC 22.108(3)

Pollutant: Particulate Matter

Stack Test to be Completed by (Date): The PM₁₀ test of 6/7/00 satisfied this requirement.

Test Method: Iowa Compliance Sampling Manual

Authority for Requirement: 567 IAC 22.108(3)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: Particulate Matter

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Cyclone Agency Operation & Maintenance

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the averaged discrete data point over a period of time, or the presence of a monitored abnormal condition. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the excursion to the department and conduct source testing within 90 days of the excursion to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods & Corrective Actions

General

- Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly

- Visible emissions shall be observed on a weekly basis to ensure no visible emissions during the operation of the unit. If visible emissions are observed this would be an exceedance not a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours. If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. If visible emission observations are unsuccessful due to weather on a given day the visible emission observations will be attempted the following day. A visible emission observation shall be made the next day that weather conditions allow.

Maintain a written record of the observation and any action resulting from the inspection.

Quarterly

- Inspect the solids discharge valve for proper operation.
- Conduct a walk-around inspection of the entire system to search for leaks. If leaks in the system are detected, the appropriate measures for remediation will be initiated within eight (8) hours.

Annually

- Inspect the hopper unloading components.
- Check the barrel and collecting tube for deposits and/or excess wear or dents and clean/repair as needed to ensure proper operation.
- Clean cyclone inlet vanes (ramps or spinners) and ensure they operate according to manufacture specifications.

Maintain a written record of the observations, deficiencies, and any action resulting from the inspection.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented before the system is returned to service.

Record Keeping

- Maintain a record of all inspections and any action resulting from the inspections.
- Maintenance and inspection records will be kept for five (5) years and available upon request.

Quality Control

- All instruments and control equipment will be calibrated, maintained, and operated according to good air pollution control practices.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 61

Associated Equipment

Associated Emission Unit ID Number: EU 76

Emissions Control Equipment ID Number: CE 41

Emissions Control Equipment Description: High Efficiency Cyclone

Applicable Requirements

Emission Unit vented through this Emission Point: EU 76

Emission Unit Description: Meal Dryer/Cooler (Dryer Deck 3)

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.01 gr/dscf, 1.47 lb/hr, and 6.43 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 95-A-856

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate of the meal dryers and cooler system shall not exceed 125 tons/hour.

Reporting & Record Keeping:

- A. The owner of the equipment shall keep adequate records to verify the meal process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

- B. The owner shall perform routine monitoring and routine maintenance according to vendor's specifications to keep the cyclone operating at high control efficiency. A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request

Authority for Requirement: Iowa DNR Construction Permit 95-A-856

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 50

Stack Diameter (inches): 30

Stack Exhaust Flow Rate (acfm): 18,918

Stack Temperature (°F): 125

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 95-A-856

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant: PM₁₀

Stack Test to be Completed by (Date): Demonstrated compliance on 6/8/00.

Test Method: 201A with 202, 40 CFR 51

Authority for Requirement: 567 IAC 22.108(3)

Pollutant: Particulate Matter

Stack Test to be Completed by (Date): The PM₁₀ test of 6/8/00 satisfied this requirement.

Test Method: Iowa Compliance Sampling Manual

Authority for Requirement: 567 IAC 22.108(3)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: Particulate Matter

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Cyclone Agency Operation & Maintenance

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the averaged discrete data point over a period of time, or the presence of a monitored abnormal condition. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the excursion to the department and conduct source testing within 90 days of the excursion to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods & Corrective Actions

General

- Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly

- Visible emissions shall be observed on a weekly basis to ensure no visible emissions during the operation of the unit. If visible emissions are observed this would be an exceedance not a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours. If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. If visible emission observations are unsuccessful due to weather on a given day the visible emission observations will be attempted the following day. A visible emission observation shall be made the next day that weather conditions allow.

Maintain a written record of the observation and any action resulting from the inspection.

Quarterly

- Inspect the solids discharge valve for proper operation.
- Conduct a walk-around inspection of the entire system to search for leaks. If leaks in the system are detected, the appropriate measures for remediation will be initiated within eight (8) hours.

Annually

- Inspect the hopper unloading components.
- Check the barrel and collecting tube for deposits and/or excess wear or dents and clean/repair as needed to ensure proper operation.
- Clean cyclone inlet vanes (ramps or spinners) and ensure they operate according to manufacture specifications.

Maintain a written record of the observations, deficiencies, and any action resulting from the inspection.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented before the system is returned to service.

Record Keeping

- Maintain a record of all inspections and any action resulting from the inspections.
- Maintenance and inspection records will be kept for five (5) years and available upon request.

Quality Control

- All instruments and control equipment will be calibrated, maintained, and operated according to good air pollution control practices.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 62

Associated Equipment

Associated Emission Unit ID Number: EU 77

Emissions Control Equipment ID Number: CE 42

Emissions Control Equipment Description: High Efficiency Cyclone

Applicable Requirements

Emission Unit vented through this Emission Point: EU 77

Emission Unit Description: Meal Dryer/Cooler (Cooler Deck)

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: PM₁₀

Emission Limits: 0.012 gr/dscf, 1.70 lb/hr, and 7.45 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 95-A-857

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput: The process rate of the meal dryers and cooler system shall not exceed 125 tons/hour.

Reporting & Record Keeping:

- A. The owner of the equipment shall keep adequate records to verify the meal process rate. This rate shall be recorded daily, averaged over a 12 month period rolled over monthly, and summarized annually.

- B. The owner shall perform routine monitoring and routine maintenance according to vendor's specifications to keep the cyclone operating at high control efficiency. A log of actual inspections, observations, and maintenance shall be made available to the IDNR personnel upon request

Authority for Requirement: Iowa DNR Construction Permit 95-A-857

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Source Characteristics

This equipment shall be connected to the stack specified below.

Stack Height (feet): 50

Stack Diameter (inches): 30

Stack Exhaust Flow Rate (acfm): 17,475

Stack Temperature (°F): 100

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 95-A-857

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant: PM₁₀

Stack Test to be Completed by (Date): Demonstrated compliance on 6/8/00.

Test Method: 201A with 202, 40 CFR 51⁽¹⁾

Authority for Requirement: 567 IAC 22.108(3)

Pollutant: Particulate Matter

Stack Test to be Completed by (Date): The PM₁₀ test of 6/8/00 satisfied this requirement.

Test Method: Iowa Compliance Sampling Manual⁽¹⁾

Authority for Requirement: 567 IAC 22.108(3)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐

Relevant requirements of O & M plan for this equipment: Particulate Matter

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Cyclone Agency Operation & Maintenance

Monitoring Guidelines

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the averaged discrete data point over a period of time, or the presence of a monitored abnormal condition. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the excursion to the department and conduct source testing within 90 days of the excursion to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

Monitoring Methods & Corrective Actions

General

- Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

Weekly

- Visible emissions shall be observed on a weekly basis to ensure no visible emissions during the operation of the unit. If visible emissions are observed this would be an exceedance not a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours. If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. If visible emission observations are unsuccessful due to weather on a given day the visible emission observations will be attempted the following day. A visible emission observation shall be made the next day that weather conditions allow.

Maintain a written record of the observation and any action resulting from the inspection.

Quarterly

- Inspect the solids discharge valve for proper operation.
- Conduct a walk-around inspection of the entire system to search for leaks. If leaks in the system are detected, the appropriate measures for remediation will be initiated within eight (8) hours.

Annually

- Inspect the hopper unloading components.
- Check the barrel and collecting tube for deposits and/or excess wear or dents and clean/repair as needed to ensure proper operation.
- Clean cyclone inlet vanes (ramps or spinners) and ensure they operate according to manufacture specifications.

Maintain a written record of the observations, deficiencies, and any action resulting from the inspection.

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented before the system is returned to service.

Record Keeping

- Maintain a record of all inspections and any action resulting from the inspections.
- Maintenance and inspection records will be kept for five (5) years and available upon request.

Quality Control

- All instruments and control equipment will be calibrated, maintained, and operated according to good air pollution control practices.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)"b"

Emission Point ID Number: EP 63

Associated Equipment

Associated Emission Unit ID Number: EU 78a

Applicable Requirements

Emission Unit vented through this Emission Point: EU 78a

Emission Unit Description: Meal Production Belt

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-327
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-327
567 IAC 23.4(7)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 25

Stack Diameter (inches): 18.75

Stack Exhaust Flow Rate (scfm): 110.32

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-327

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 64

Associated Equipment

Associated Emission Unit ID Number: EU 78b

Applicable Requirements

Emission Unit vented through this Emission Point: EU 78b

Emission Unit Description: Meal Production Belt

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-328
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-328
567 IAC 23.4(7)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 25

Stack Diameter (inches): 18.75

Stack Exhaust Flow Rate (scfm): 110.32

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-328

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 65

Associated Equipment

Associated Emission Unit ID Number: EU 78c

Applicable Requirements

Emission Unit vented through this Emission Point: EU 78c

Emission Unit Description: Meal Production Belt

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-329
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-329
567 IAC 23.4(7)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 25

Stack Diameter (inches): 18.75

Stack Exhaust Flow Rate (scfm): 110.32

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-329

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 66

Associated Equipment

Associated Emission Unit ID Number: EU 78d

Applicable Requirements

Emission Unit vented through this Emission Point: EU 78d

Emission Unit Description: Meal Production Belt

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-330
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-330
567 IAC 23.4(7)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 25

Stack Diameter (inches): 18.75

Stack Exhaust Flow Rate (scfm): 110.32

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-330

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 67

Associated Equipment

Associated Emission Unit ID Number: EU 78e

Applicable Requirements

Emission Unit vented through this Emission Point: EU 78e

Emission Unit Description: Meal Production Belt

Raw Material/Fuel: Processed Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 02-A-331
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 02-A-331
567 IAC 23.4(7)

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 25

Stack Diameter (inches): 18.75

Stack Exhaust Flow Rate (scfm): 110.32

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☐ No ☒

Authority for Requirement: Iowa DNR Construction Permit 02-A-331

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 68

Associated Equipment

Associated Emission Unit ID Number: EU 82

Emissions Control Equipment ID Number: CE 46

Emissions Control Equipment Description: Fabric Filter Low Temperature

Applicable Requirements

Emission Unit vented through this Emission Point: EU 82

Emission Unit Description: Soybean Hull Grinding

Raw Material/Fuel: Soybean Hulls

Rated Capacity: 30 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-421
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of "No Visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.004 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-21

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

The maximum amount of soybean hulls processed through Hull Grinding (EP68) shall not exceed 262, 800 Tons per rolling 12-month period.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on a monthly basis, the amount of soybean hulls processed through Soybean Hull Grinding (EP68) in Tons. Calculate and record rolling 12-month totals.
2. Maintain a record of all inspections and any action resulting from the inspection of Baghouse (CE46).

Authority for Requirement: Iowa DNR Construction Permit 03-A-421

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 74

Stack Diameter (inches): 16

Stack Exhaust Flow Rate (scfm): 5000

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-421

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-421 (issued 6/20/03)

Pollutant – Particulate Matter

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 5 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-421 (issued 6/20/03)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 69

Associated Equipment

Associated Emission Unit ID Number: EU 83

Emissions Control Equipment ID Number: CE 48

Emissions Control Equipment Description: Bin Vent Filter

Applicable Requirements

Emission Unit vented through this Emission Point: EU 83

Emission Unit Description: Soybean Meal Surge Tank

Raw Material/Fuel: Soybean Meal

Rated Capacity: 125 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-422
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-422

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-422

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

Soybean meal loaded into Soybean Meal Surge Tank shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Bin Vent Filter (CE48).

Authority for Requirement: Iowa DNR Construction Permit 03-A-422

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 60

Stack Diameter (inches): 4

Stack Exhaust Flow Rate (scfm): 300

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-422

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-422 (issued 6/20/03)

Pollutant – Particulate Matter⁽³⁾

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-422 (issued 6/20/03)

⁽³⁾Initial compliance testing for PM and opacity shall be conducted on one of the following emission units: Meal Bin 5 (EP29), Meal Bin 6 (EP30), Meal Bin 7 (EP31), Meal Bin 8 (EP32), Meal Bin 9 (EP33), Meal Bin 10 (EP34), Meal Bin 11 (EP35), Meal Bin 13 (EP37) or Meal Surge Tank (EP69). PM and Opacity test results conducted on one of the specified emission units in the previous sentence above shall be used to represent PM emissions and opacity from Meal Surge Tank (EP69).

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 70

Associated Equipment

Associated Emission Unit ID Number: EU 84

Emissions Control Equipment ID Number: CE 58

Emissions Control Equipment Description: Fabric Filter Low Temperature

Applicable Requirements

Emission Unit vented through this Emission Point: EU 84

Emission Unit Description: Soybean Meal Grinding

Raw Material/Fuel: Soybean Meal

Rated Capacity: 120 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-423
567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of "No Visible Emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.004 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-423

Pollutant: Volatile Organic Compound (VOC)

Emission Limit: 356.6 tons/yr⁽²⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-423

⁽²⁾Facility-wide limit requested by AGP for solvent loss associated with the extraction process. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent, Toasting, Drying & Cooling (EP21, EP57, EP59, EP60, EP61, EP62), Meal Grinding (EP70), Meal Transfer/Storage (EP63-EP67, EP29-EP35, EP37, EP58, EP69), Meal Loadout (EP27) and fugitive losses. Compliance verification determined by monthly tracking of solvent loss.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

Ag Processing Inc is limited to a facility-wide usage of 126,214 gallons of solvent (hexane) per rolling 12-month period.

Work Practice Standards:

All Soybean meal processed in the Soybean Meal Grinding process (EP70) shall be received from the AGP-Sergeant Bluff extraction process only.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on monthly basis, total solvent (hexane) usage at the Sergeant Bluff facility. Calculate and record rolling 12-month totals. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent usage.
2. Record the VOC content of the solvent (hexane) used in the soybean oil extraction process as density in pounds per gallon. AGP is required to retain documentation for the AGP-Sergeant Bluff facility regarding solvent density.
3. Maintain a record of all inspections and any action resulting from the inspection of Baghouse (CE58).

Authority for Requirement: Iowa DNR Construction Permit 03-A-423

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 70

Stack Diameter (inches): 24

Stack Exhaust Flow Rate (scfm): 9,200

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-423

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-423 (issued 6/20/03)

Pollutant – Particulate Matter

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 5 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-423 (issued 6/20/03)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

Emission Point ID Number: EP 71

Associated Equipment

Associated Emission Unit ID Numbers: EU 85

Emissions Control Equipment ID Numbers: CE 59

Emissions Control Equipment Description: Centrifugal Collector High Efficiency

Applicable Requirements

Emission Unit vented through this Emission Point: EU 85

Emission Unit Description: Soybean Hull Pelletizing

Raw Material/Fuel: Soybean Hulls

Rated Capacity: 15 tons/hr

Emission Limits (lb/hr, gr/dscf, lb/MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit: 40%⁽¹⁾

Authority for Requirement: Iowa DNR Construction Permit 03-A-424

567 IAC 23.3(2)"d"

⁽¹⁾Per DNR Air Quality Policy 3-b-08, Opacity Limits, an exceedence of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM₁₀

Emission Limits: 0.01 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-424

Pollutant: Particulate Matter (TSP)

Emission Limit: 0.1 gr/scf

Authority for Requirement: 567 IAC 23.4(7)

Pollutant: Particulate Matter (TSP)

Emission Limits: 0.015 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 03-A-424

Compliance Plan

The owner/operator of this equipment shall comply with the applicable requirements listed.

This point is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which will become effective during the permit term this source will comply with such requirements in a timely manner.

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process Throughput:

The amount of soybean hulls processed through Soybean Hull Pelletizing (EP71) shall not exceed 131,400 tons per rolling 12-month period.

Reporting & Record Keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

1. Record on a monthly basis, the amount of soybean hulls processed through Soybean Hull Pelletizing in Tons. Calculate and record rolling 12-month totals.
2. Maintain a record of all inspections and any action resulting from the inspection of Product Recovery Cyclone (CE59).

Authority for Requirement: Iowa DNR Construction Permit 03-A-424

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet): 50

Stack Diameter (inches): 24

Stack Exhaust Flow Rate (scfm): 8,000

Stack Temperature (°F): Ambient

Vertical, Unobstructed Discharge Required: Yes ☒ No ☐

Authority for Requirement: Iowa DNR Construction Permit 03-A-424

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Periodic Monitoring Requirements

The owner/operator of this equipment shall comply with the Periodic Monitoring requirements listed below.

Stack Testing:

Pollutant – Opacity

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 60, Appendix A, Method 9

Test Run Time – 1 hour or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-424 (issued 6/20/03)

Pollutant – PM₁₀

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – 40 CFR 51, Appendix M, 201 with 202⁽²⁾

⁽²⁾ or an approved alternative

Test Run Time – 3 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-424 (issued 6/20/03)

Pollutant – Particulate Matter

1st Stack Test to be Completed by (date) - within 60 days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

Test Method – Iowa Compliance Sampling Manual Method 5

Test Run Time – 2 hours or as approved by the DNR.

Authority for Requirement - Iowa DNR Construction Permit 03-A-424 (issued 6/20/03)

The owner of this equipment or his authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the tests shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☒

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"3.*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

G2. Permit Expiration

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, four or more copies of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

G4. Annual Compliance Certification

On March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides

for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

G5. Semi-Annual Monitoring Report

On March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 22.108 (5).*

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
 - a. Form 1.0 "Facility Identification";
 - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
 - c. Form 5.0 "Title V annual emissions summary/fee"; and
 - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
 - a. Form 1.0 "Facility Identification";
 - b. Form 5.0 "Title V annual emissions summary/fee";
 - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

G9. General Maintenance and Repair Duties

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records:
 - a. The date, place and time of sampling or measurements
 - b. The date the analyses were performed.
 - c. The company or entity that performed the analyses.
 - d. The analytical techniques or methods used.
 - e. The results of such analyses; and
 - f. The operating conditions as existing at the time of sampling or measurement.
 - g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
 - a. Comply with all terms and conditions of this permit specific to each alternative scenario.

- b. Maintain a log at the permitted facility of the scenario under which it is operating.
- c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

G11. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

G12. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8964 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in *567 IAC 131.2(2), 567 IAC Chapter 131-State Only*

G13. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

- a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption

for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

- i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and expected duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps being taken to remedy the excess emission.
- vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. The facility at the time was being properly operated;
- c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
- d. The permittee submitted notice of the emergency to the director by certified mail

within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

G14. Permit Deviation Reporting Requirements

A deviation is an instance when any condition of this permit is violated. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above.

Any violation of an applicable requirement shall be reported to the appropriate regional office by telephone or in person within seven (7) days of the violation. This report shall include the probable cause of such violation, and any corrective actions or preventive measures taken. Any other deviations shall be documented in the semi-annual report. *567 IAC 22.108(5)"b"*.

G15. Notification Requirements for Sources That Become Subject to NSPS and HAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants) or section 112 of the Act. This notification shall be submitted in writing to the department 30 days before the source becomes subject to the afore-mentioned standard or other requirement. *40 CFR part 63.9 as adopted in 567 IAC 23.1(4); 40 CFR part 63.9 as adopted in 567 IAC 23.1(2)*

G16. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

- a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
- b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
- c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
- d. The changes are not subject to any requirement under Title IV of the Act.
- e. The changes comply with all applicable requirements.
- f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
 - i. A brief description of the change within the permitted facility,
 - ii. The date on which the change will occur,
 - iii. Any change in emission as a result of that change,
 - iv. The pollutants emitted subject to the emissions trade
 - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
 - vi. A description of the trading of emissions increases and decreases for the

purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and

vii. Any permit term or condition no longer applicable as a result of the change.

567 IAC 22.110.(1)

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110.(2)*

22.110.(2)

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110.(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110.(4)*

5. Aggregate Insignificant Emissions. The permittee shall not construct, establish or operate any new insignificant activities or modify any existing insignificant activities in such a way that the emissions from these activities no longer meet the criteria of aggregate insignificant emissions. If the aggregate insignificant emissions are expected to be exceeded, the permittee shall submit the appropriate permit modification and receive approval prior to making any change. *567 IAC 22.103.(2)*

6. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108 (11)*

G17. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that is required to do any of the following:

i. Correct typographical errors

ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;

iii. Require more frequent monitoring or reporting by the permittee; or

iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Permit Modification.

a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:

- i. Do not violate any applicable requirements
- ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.
- iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.
- iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;
- v. Are not modifications under any provision of Title I of the Act; and
- vi. Are not required to be processed as significant modification.

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

- i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.
- ii. The permittee's suggested draft permit
- iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and
- iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify.

However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit term terms and conditions it seeks to modify may subject the facility to enforcement action.

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. 567 IAC 22.111-567 IAC 22.113

The permittee shall submit an application for a significant permit modification at least 6 months, but not more than 18 months prior to the date of the proposed modification. *567 IAC 22.105(1)a(2)*

G18. Duty to Obtain Construction Permits

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. *567 IAC 22.1(1)*

G19. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. *IAC 23.1(3)"a", and 567 IAC 23.2*

G20. Open Burning

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. *567 IAC 23.2 except 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only*

G21. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

G22. Stratospheric Ozone and Climate Protection (Title VI) Requirements

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
- b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
- c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
- d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
- d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must

comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G23. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*

2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.

a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;

b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a"*, *567 IAC 22.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:

a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993,

provided that the reopening may be stayed pending judicial review of that determination;

b. The department or the administrator determines that the Title V permit contains a

material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;

c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.

d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

G24. Permit Shield

Compliance with the conditions of this permit shall be deemed compliance with the applicable requirements included in this permit.

This permit shield shall not alter or affect the following:

1. The provisions of section 303 of the Act (emergency orders), including the authority of the administrator under that section;
2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
3. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;
4. The ability of the department or the administrator to obtain information from the facility pursuant to section 114 of the Act. *IAC 22.108 (18)*

G25. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

G26. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (9)"d"*

G27. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. *567 IAC 22.111 (1)"d"*

G28. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions.

567 IAC 22.3(3)"c"

G29. Notification and Reporting Requirements for Stack Tests or Monitor Certification

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, and the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator

Iowa DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.

567 IAC 25.1(7)"a", 567 IAC 25.1(9)

G30. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.

567 IAC 26.1(1)

G31. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits
EPA Region 7
Air Permits and Compliance Branch
726 Minnesota Ave.
Kansas City, KS 66101
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite #1
Urbandale, IA 50322
(515) 242-5100

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

Field Office 1

817 W. Fayette St.
Manchester, IA 52057
(319) 927-2640

Field Office 2

PO Box 1443
2300-15th St., SW
Mason City, IA 50401
(515) 424-4073

Field Office 3

1900 N. Grand Ave.
Spencer, IA 51301
(712) 262-4177

Field Office 4

706 Sunnyside
Atlantic, IA 50022
(712) 243-1934

Field Office 5

607 East 2nd St.
Des Moines, IA 50309
(515) 281-9069

Field Office 6

1004 W. Madison
Washington, IA 52353
(319) 653-2135

Polk County Public Works Dept.

Air Quality Division
5895 NE 14th St.
Des Moines, IA 50313
(515) 286-3351

Linn County Health Dept.

Air Pollution Control Division
501 13th St., NW
Cedar Rapids, IA 52405
(319) 398-3551

Appendix A: Administrative Consent Order No. 2003-AQ-50